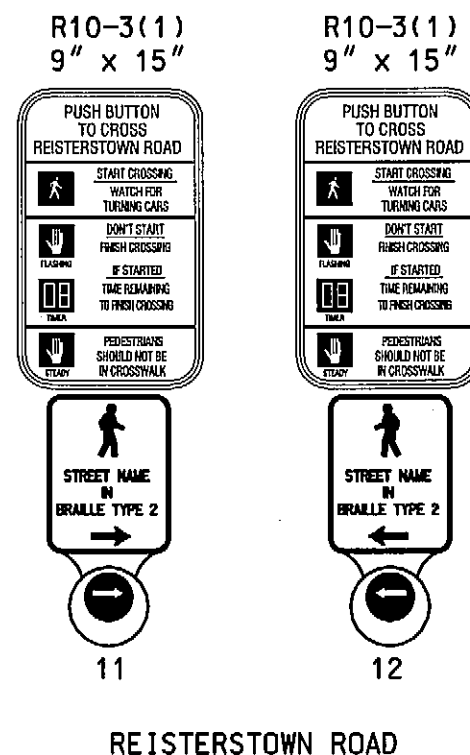
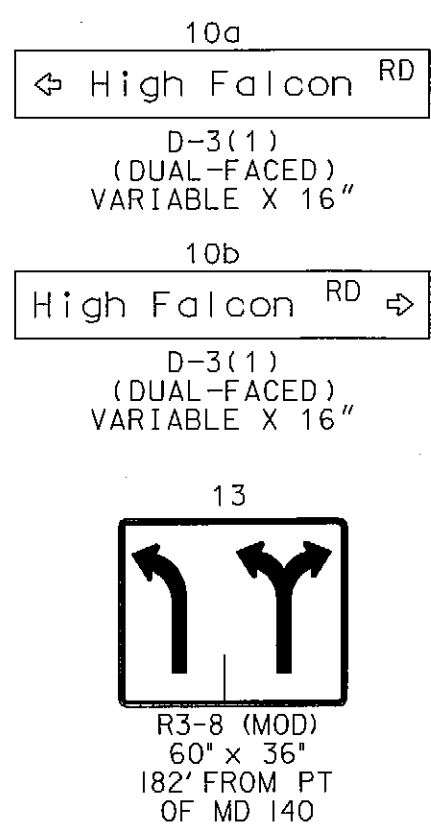


NOTE: MD 140 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

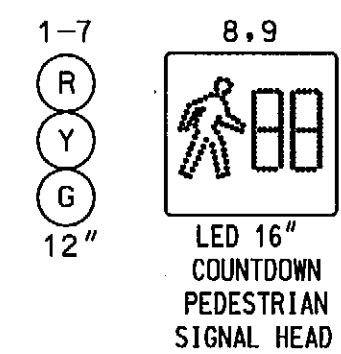
PROPOSED SIGNS



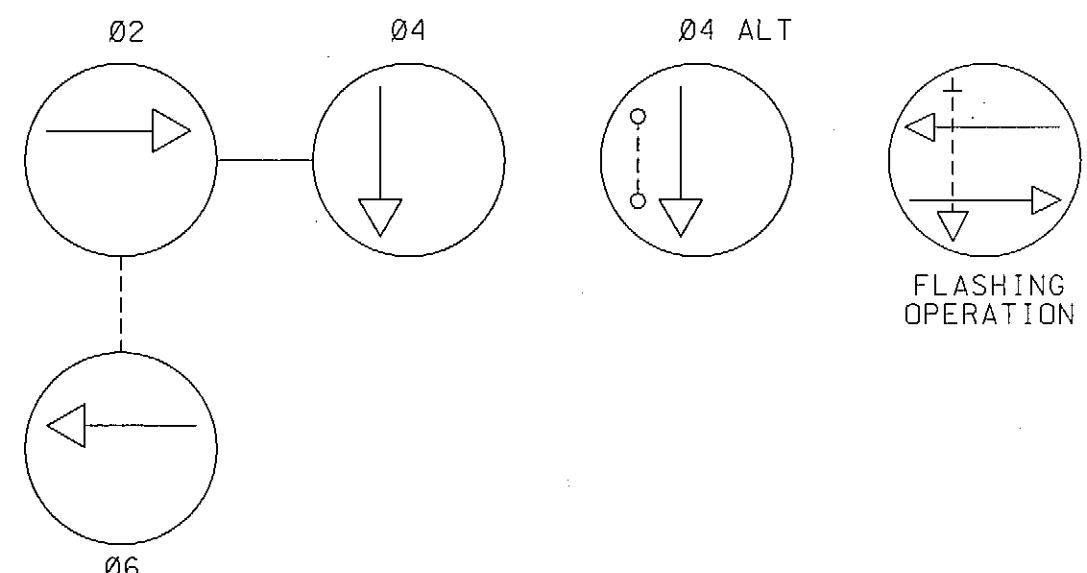
EXISTING SIGNS



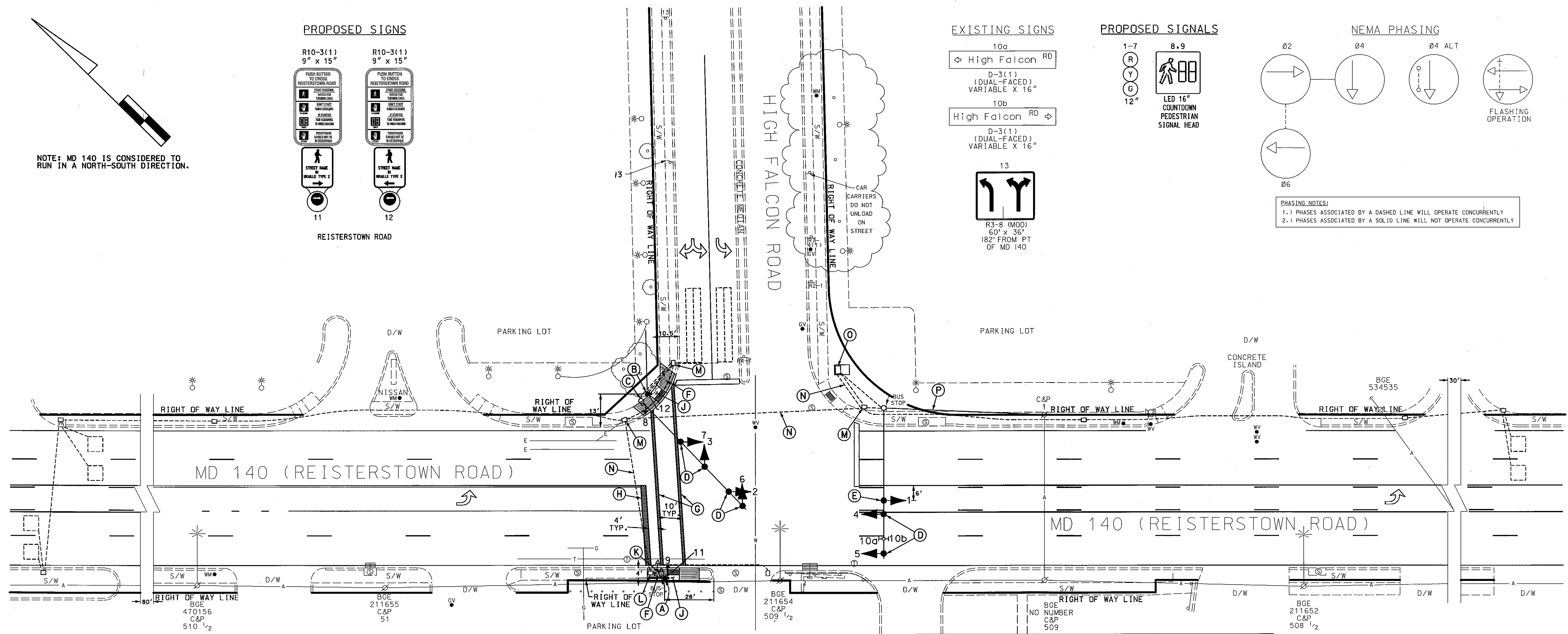
PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
- Install 5' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
- Install countdown pedestrian signal head on mast arm pole as shown.
- Remove existing and install proposed LED signal head in same location as shown.
- Install proposed LED signal head as shown.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note: Contractor shall remove existing crosswalk.)
- Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline) (Note: Contractor shall remove existing stopline.)
- Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).
- Contractor shall remove existing pedestal pole along with all pedestrian signal equipment and foundation 12" below grade and backfill.
- Adjust existing handhole to grade.
- Use existing handhole.
- Use existing conduit.
- Use existing cabinet and controller.
- Maintain existing overhead electrical service.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60" x 60" level landing area with a cross slope of less than or equal to 2%.
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- Location of Accessible Pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian Signals: Guide to Best Practices. If not met, the Contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the Director, Office of Traffic and Safety.
- The contractor shall remove all unused wiring.

TOD NO: XX427-01
SHA NO: BA171A51/B51
MD 140 @ HIGH FALCON RD

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---

REVISION "E"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. N.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	INSTALL APS, CPS and LED 4/8/09
2	SIGNAL HEADS
3	SHAPES XX4275195
4	REBUILD AND INSTALL INTERCONNECT.
5	S.H.A. NO. 1 B-156-501-485
6	JJD

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

**MD 140 (REISTERSTOWN ROAD)
AND HIGH FALCON ROAD**

OWINGS MILLS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 8/3/11 CONTRACT NO. _____

DESIGNED BY _____ COUNTY BALTIMORE
DRAWN BY W. MUNK LOGMILE 03014007.18
CHECKED BY M. RUCKER TMS NO. J402
F.A.P. NO. _____ TOD NO. _____

TS NO. 367E DRAWING NO. 1 OF 2 SHEET NO. OF

PLOTTED: #DATE#
FILE: #FILE#